PATENT ATTORNEY DOCKET NO.: 046124-5271

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
MAIL STOP PATENT APPLICATION



## TRANSMITTAL FOR A NEWLY EXECUTED ORIGINAL APPLICATION UNDER 37 C.F.R. §1.53(b)

This is a request for filing a patent application under 37 C.F.R. §1.53(b) for:

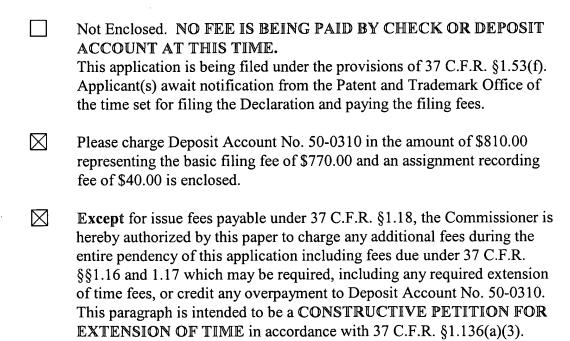
Inv	ventors: Tadataka I	EDAMURA and Naota AKIKUSA				
Fo	r: QUANTUM CA	SCADE LASER				
1.	This is a new Utility Design Plant patent application.					
2.	The papers enclosed to obtain a filing date are as follows:					
		Pages of Specification including:  O Title Page  62 Pages of Description  4 Pages of Claims  1 Page of Abstract  Sheets of drawings containing 21 Figures  The enclosed drawings are photographs, and there is also attached a PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)				
3.	Combined Declar	Enclosed and is executed by all inventors Not Enclosed. This application is being filed under the provisions of 37 C.F.R. §1.53(f). Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the Declaration and paying the filing fees.				

4.	Language					
		of the MPI	cation is being file EP. Applicant(s)	await notification	with 37 C.F.R. §1.52(d) and §608.01 in from the Patent and Trademark English translation and the processing	
5.	Assignment					
6.		Form-1595 An assignr	5, Recordation Formation Format will be filed	orm Cover Sheet, I at a later date.	su Photonics K.K. and a PTO are enclosed.	
	• •				country other than the U.S.	
	Priority of the following foreign application is claimed:					
	Country		Applica	tion No.	Filed	
	Japan		P2003-035366		February 13, 2003	
	Japan		P2003-274306		July 14, 2003	
7.	Certified copy: is attached. will follow.  7. Priority based on provisional application(s) - 35 U.S.C. §119(e)  Priority of the following provisional application(s) is claimed:					
	Application No.				Filed	
	A. Relate Back - 35 U.S.C. §119(e)  Attached is a Preliminary Amendment amending the specification by inserting before the first line the sentence: "This application claims priority of copending provisional application(s) No filed on"					
8.	Small entity st	Small entity status				
		Applicant(	(s) hereby assert(	s) small entity sta	tus under 37 C.F.R. § 1.27.	

9. Fee Calculation (37 C.F.R. §1.16)

Number Filed	Number Extra	at Rate of	Basic Fee Utility \$770.00 Design \$385.00		
		BASIC FEE	\$770.00		
9 - 20 =	0	18.00			
3 - 3 =	0	86.00			
Multiple dependent claim(s), if any (37 C.F.R. §1.16(d)) 290.00					
					SUB-TOTAL =
Assignment Recordation Fee \$40.00					
TOTAL FILING FEE =					
	9 - 20 = 3 - 3 = n(s), if any (37 C.F.F	9 - 20 = 0 3 - 3 = 0 n(s), if any (37 C.F.R. §1.16(d))  Reduction by 1/2 for file	BASIC FEE  9 - 20 = 0 18.00  3 - 3 = 0 86.00  n(s), if any (37 C.F.R. §1.16(d)) 290.00  SUB-TOTAL =  Reduction by 1/2 for filing by a small entity  SUB-TOTAL =  1 Fee \$40.00		

## 10. Fee Payment



11.

12.	Additional papers enclosed:					
12.	Additional particular	Preliminary Amendment Information Disclosure Statement Form PTO-1449, document included Declaration of Biological Deposit Submission of "Sequence Listing", computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or				
		amino acid sequence.				

Please accord this application an application number and filing date.

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP

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Dated: February 12, 2004
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